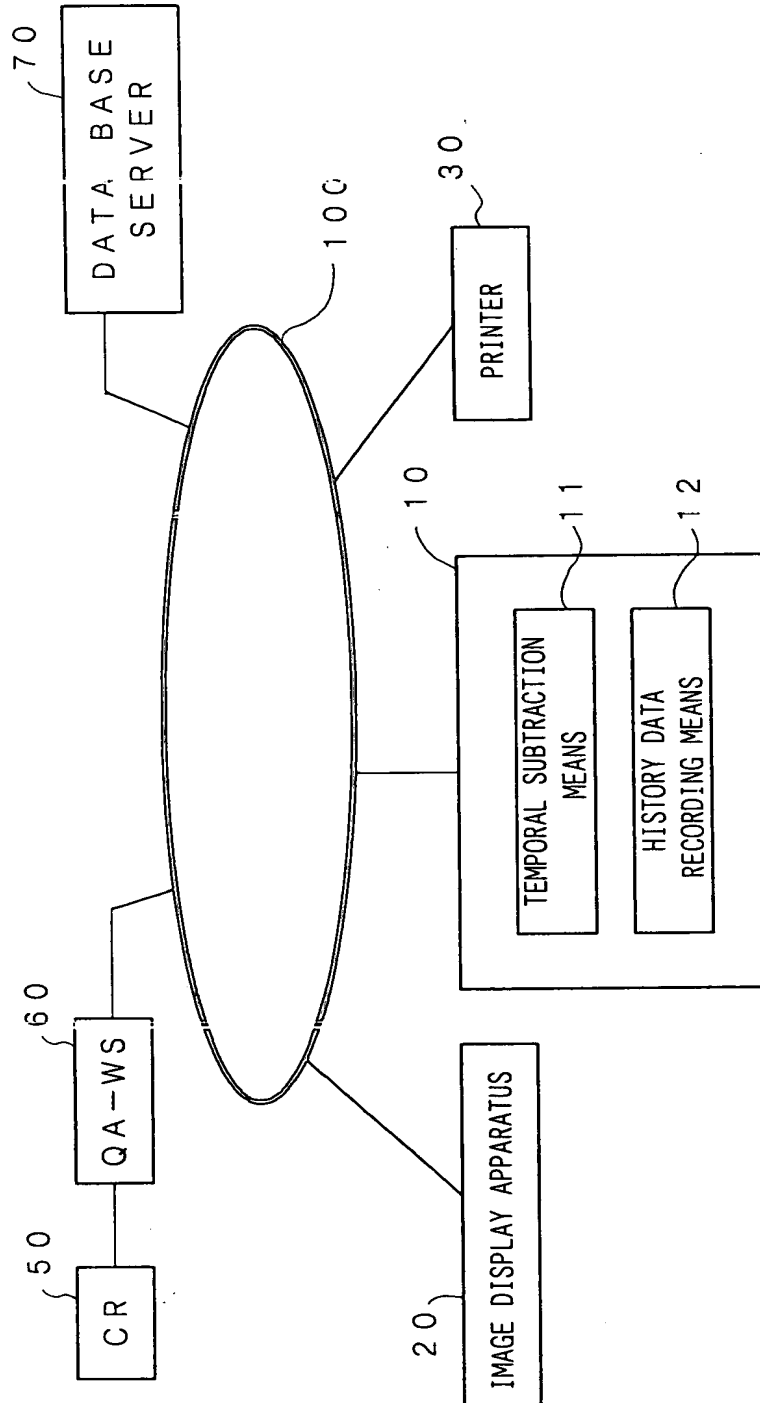
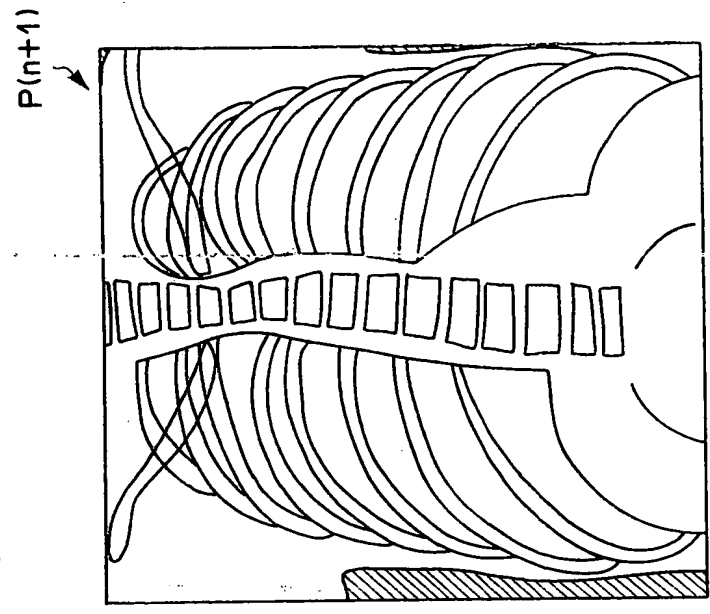


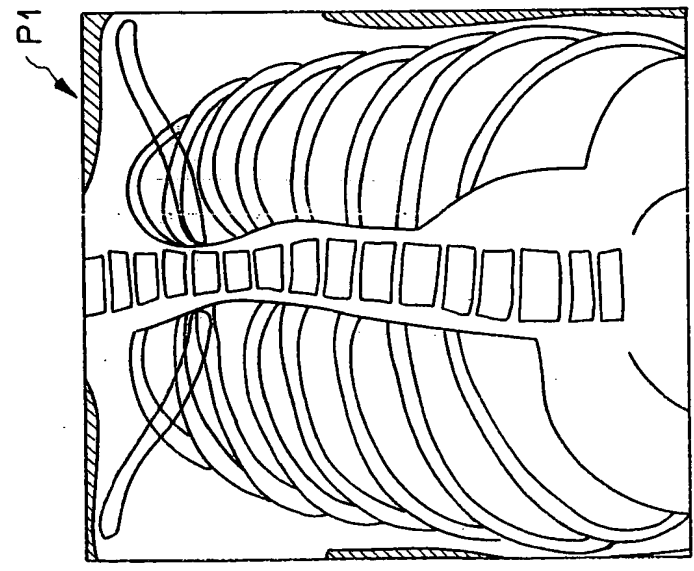
FIG. 1



F I G . 2 B



F I G . 2 A



FIRST ORIGINAL
 IMAGE P1

(n+1)th ORIGINAL
 IMAGE P(n+1)

GLOBAL MATCHING OPERATION

$P1', P(n+1)$

· DEFINE TEMPLATE ROIs
 (FOR P(n+1))
 · DEFINE SEARCH ROIs
 (FOR P1')

CALCULATE THE AMOUNT
 OF SHIFT FOR EVERY
 ROI BASED ON LOCAL MATCHING

DERIVE THE APPROXIMATE
 AMOUNT OF SHIFT USING
 A TWO-DIMENSIONAL
 TENTH-ORDER POLYNOMIAL

NON-LINEAR WARPING
 TRANSFORM OPERATION
 FOR THE FIRST IMAGE P1'

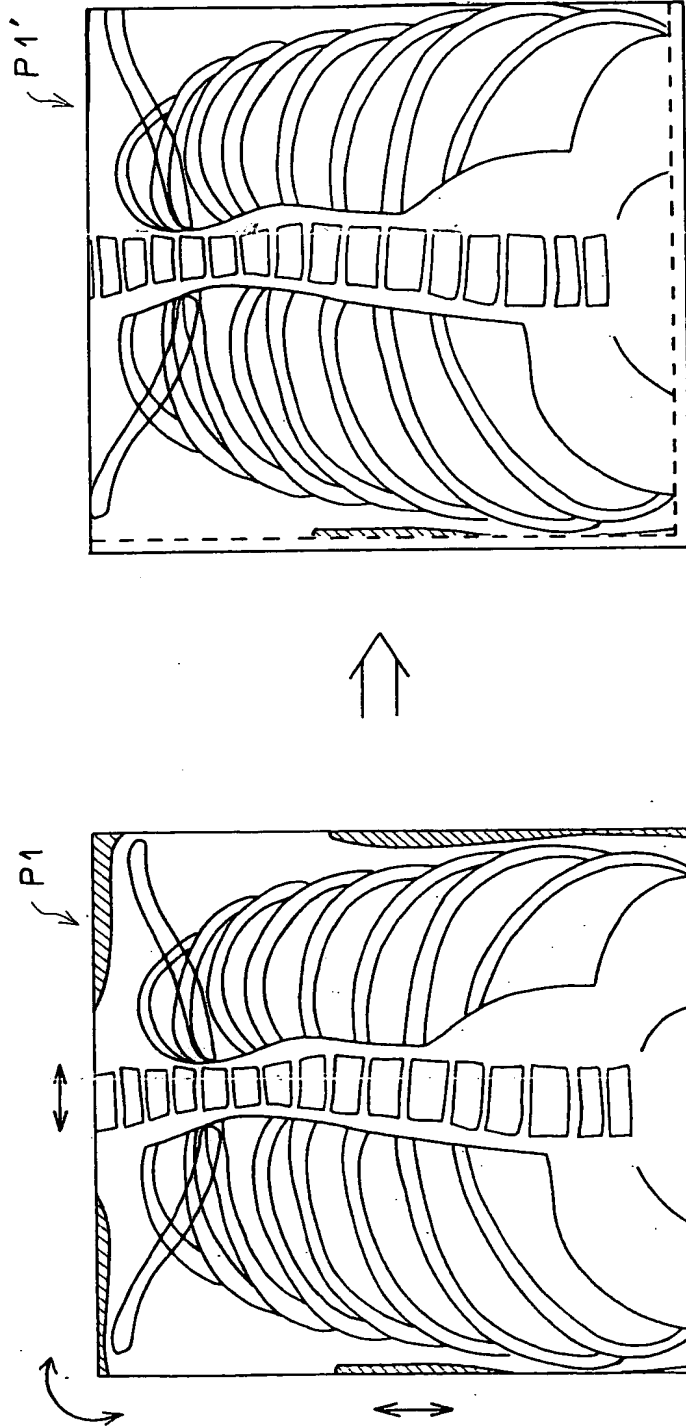
$P1'', P(n+1)$

SUBTRACTION OPERATION

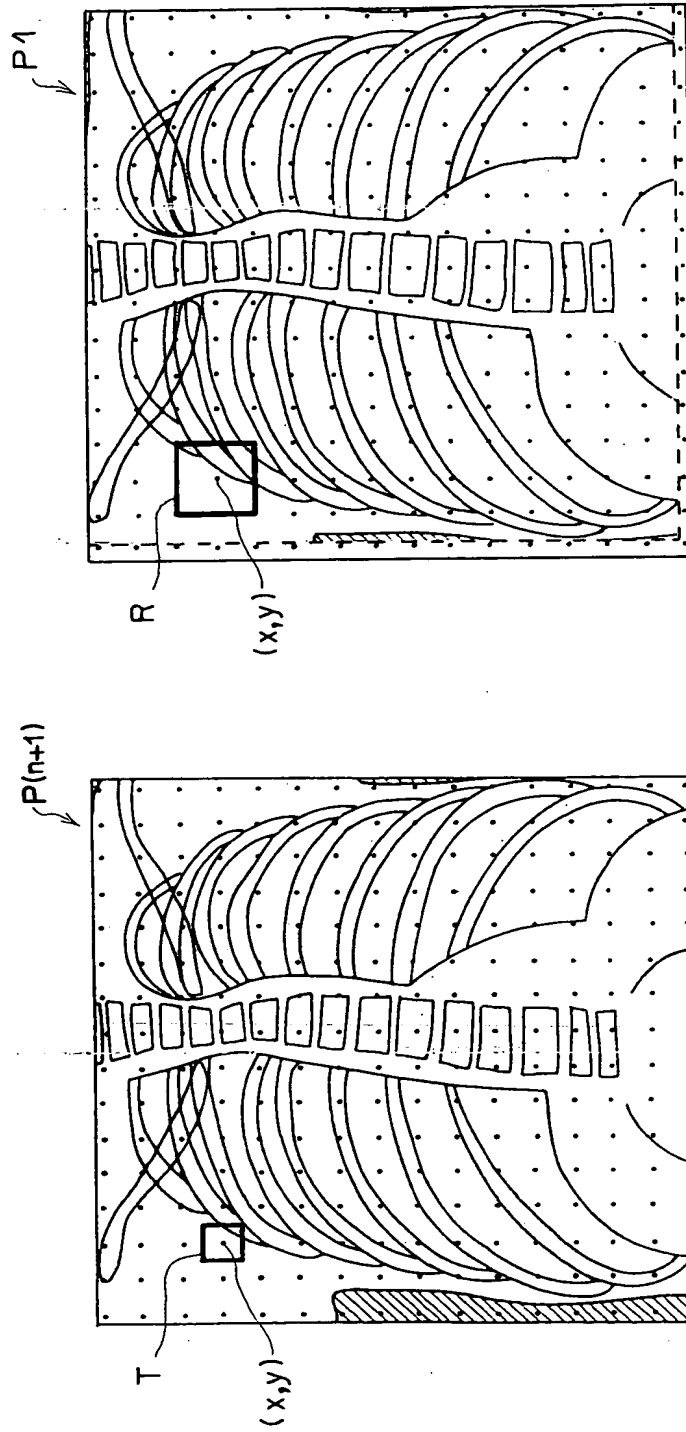
$Psu1$

FIG. 3

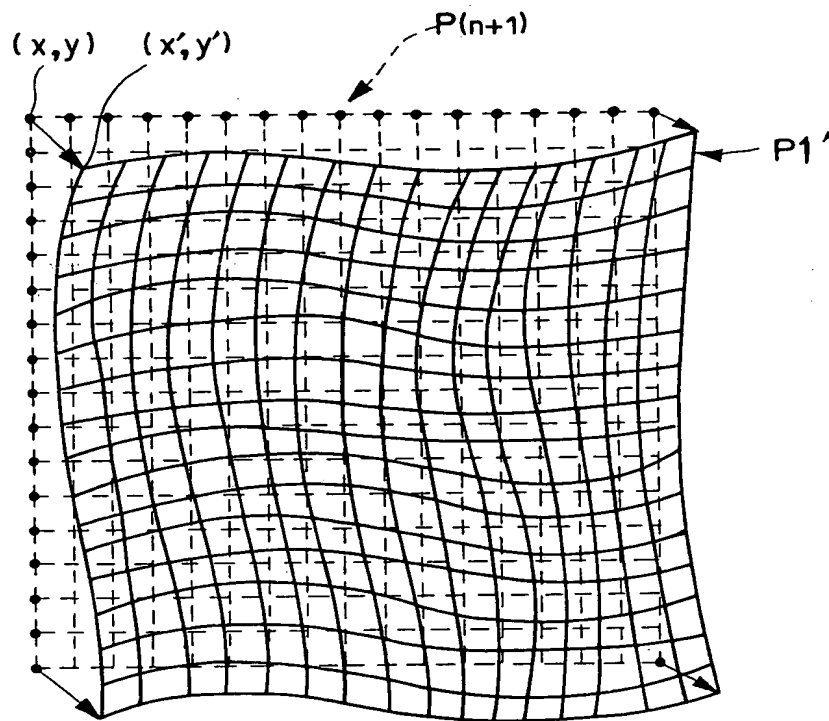
F I G . 4



F I G . 5

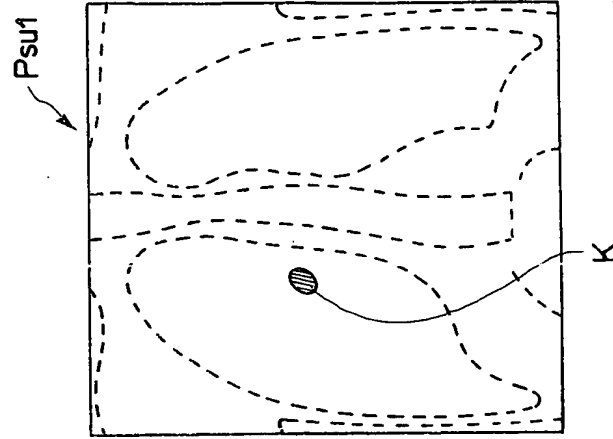


F I G . 6

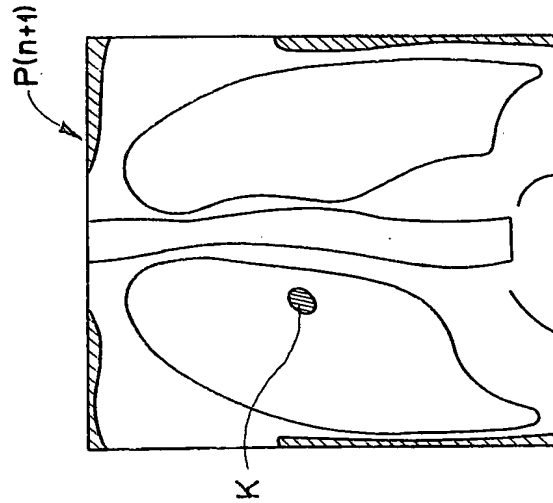


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P 0000 251200

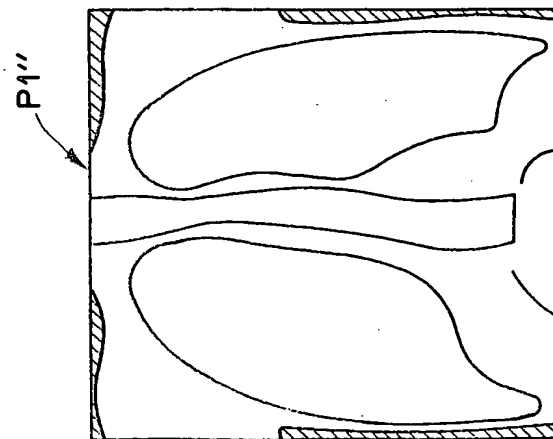
20090224220



F I G. 7C



F I G. 7B



F I G. 7A